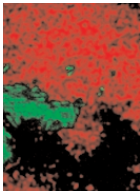




# ISSM 2002

## 2002 INTERNATIONAL SYMPOSIUM ON *SUBSURFACE* MICROBIOLOGY

Copenhagen, Denmark, September 08-13 2002



### BACKGROUND AND SCIENTIFIC PERSPECTIVES

This is the fifth Subsurface Microbiology Symposium. Subsurface microbiology has become a well established discipline since the first symposium in 1990 in Orlando, Florida, USA. It is now an important aspect in many

remediation strategies, although much is still to be learned. In addition, new, unexplored environments are emerging, including distant environments like extraterrestrial subsurfaces and the subseafloor.



### OBJECTIVES AND SCOPE

The symposium focuses on the ecology, function and diversity of microorganisms in the subsurface, both under natural and under contaminated conditions. In biodegradation, bioremediation and natural attenuation subsurface microbiologists gain insight on the control-

ling processes, allowing for improvement of remediation strategies on a scientific basis. Other technical interactions with the subsurface, such as water abstraction or disposal of radioactive waste should take microbial aspects and biogeochemistry into account. The symposium will cover various subsurface environments: the vadose zone, aquifers, extraterrestrial subsurfaces and the subseafloor.

Technological advances in the field are also welcome, such as application of new molecular technologies, direct characterization of microorganisms on mineral surfaces or any new approaches to sensing or determining microbial presence and activity to improve our understanding of subsurface microbiology.



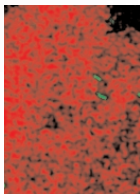
### OBJECTIVES AND SCOPE

- Microbial topics related to subsurface, the vadose zone and aquifers
- Microbial ecology, adaptation, subsurface genetics, geochemistry and transport of microorganisms
- Direct characterization of microorganisms on mineral surfaces
- New methods in subsurface microbiology – sensing
- Molecular technologies
- Biodegradation of aquifer contaminants (pesticides, detergents, endocrine disrupters, chlorinated solvents, BTEX, MTBE, pharmaceuticals, etc.)
- Natural attenuation of contaminated aquifers
- Engineered bioremediation of contaminated aquifers



### OBJECTIVES AND SCOPE

- Deep well drillings
- Microbial aspects of ground water exploitation
- Pathogens and resistance
- Microbial geochemistry of metals and radioactive waste disposal
- Subseafloor biosphere
- Geophysics and subsurface microbiology
- Exobiology/astrobiology: Microbial life in extraterrestrial subsurfaces



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Co-organizer  
Technical University of Denmark, Denmark

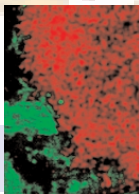
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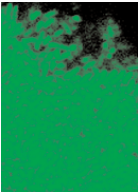
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CALL FOR PAPERS

Authors are invited to submit an abstract to the Conference Secretariat indicating their preference for oral or poster presentations.



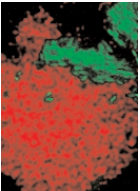
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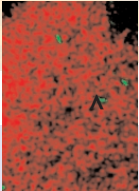
CONFERENCE VENUE

The conference will take place at the newly built domicile of The Society of Danish Engineers, located at the waterfront in the centre of Copenhagen, capital of Denmark.



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PRE-REGISTRATION FORM

- ☐ I would like to receive further information
- ☐ I plan to participate in the symposium
- ☐ I plan to submit an abstract for the symposium

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